

1 Slab forms on steel structures shall conform to the requirements of Section 6-
2 02.3(17)G as modified and supplemented in the following:

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4 All wood forms for the roadway deck shall be removed. Forms for exterior
5 soffits and between box girders shall be removed.

6
7 Permanent metal forms may be used for that portion of the concrete slab inside
8 the steel box girders. Permanent metal forms, if used, shall conform to the
9 following requirements:

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11 Metal shall be 18 gage minimum thickness, zinc coated, steel sheet
12 conforming to ASTM A 446, Grades A through E, with a coating class of G
13 165 in accordance with ASTM A 525. All accessories shall be of structural
14 quality steel with a zinc coating of 2.0 ounces per square foot.

15
16 Forms shall be designed by the Contractor to support the plastic concrete,
17 metal forms, reinforcing steel, and a construction live load of 60 pounds per
18 square foot. Deflection shall not exceed 1/360 of the span. Camber shall
19 not exceed the anticipated deflection. The working unit stress shall not
20 exceed 0.725 of the specified yield strength of the material furnished.

21
22 Forms shall be of a type which will allow placing the deck slab to full Plan
23 depth above the uppermost parts of the form. Bottom transverse
24 reinforcing steel of the deck slab shall be at least 1 inch clear of the metal
25 forms at all points. Forms or supports shall not be welded to girder flanges.

26
27 The deck slab shall be placed continuously between the transverse
28 construction joints shown in the Plans. If, because of an emergency, a
29 transverse joint is allowed by the Engineer, it shall occur at the bottom of a
30 flute and 1/4 inch weep holes shall be field drilled at 12 inch centers along
31 the line of the joint.

32
33 Any zinc coating on exposed form metal damaged during construction shall
34 be repaired in accordance with Section 9-08.2, Formula A-9-73.

35
36 Should the Engineer determine that inspection of the underside of the
37 hardened slab is warranted, the Contractor shall remove at least one
38 section of metal form in each span at no extra cost to the State. If
39 excessive honeycomb or other defects are found, the Contractor shall, if
40 required by the Engineer, remove additional form sections at the
41 Contractor's expense and shall revise concrete placing methods as required
42 to produce sound concrete. All unacceptable concrete shall be removed or
43 repaired as directed by the Engineer.

44
45 The Contractor shall submit working drawings to the Engineer for approval
46 of permanent metal forms, complete with layout, details, and a description
47 of materials in accordance with the Standard Specifications.

48
49 No direct payment will be made for permanent metal forms and the cost
50 thereof shall be included in the lump sum contract price for "Roadway
51 Deck".

52
53 No payment will be made for additional concrete required because of the
54 use of permanent forms.